

Hidden Treasure

by Arya Akhavan (October 2015)

Angles for R.I. = 1.540

47 + 6 girdles = 53 facets

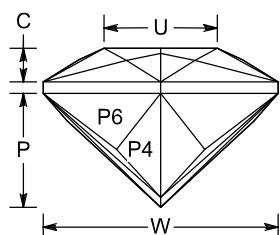
2-fold, mirror-image symmetry

96 index

L/W = 1.732 T/W = 1.000 U/W = 0.482

P/W = 0.484 C/W = 0.143

Vol./W³ = 0.445



PAVILION

P1	42.79°	23-25-71-73	Cut to centerpoint.
P2	41.68°	22-26-70-74	Meet at culet.
G1	90.00°	24-72	Set stone width.
G2	90.00°	12-36-60-84	Meet P1, P2, G1
P3	41.99°	21-27-69-75	Meet P1, P2, G1, G2
P4	41.50°	01-47-49-95	Meet P2, P3
P5	48.75°	24-72	Level girdle.
P6	74.38°	12-36-60-84	Level girdle.

CROWN

C1	32.00°	24-72	Set girdle width.
C2	32.00°	12-36-60-84	Level girdle.
C3	28.40°	23-25-71-73	Meet G1, G2, C1, C2
C4	28.40°	13-35-61-83	Meet G1, G2, C1, C2, C3
C5	28.40°	11-37-59-85	Meet G2, C2
C6	24.80°	12-36-60-84	Meet C2, C4, C5
C7	24.42°	24-72	Meet C1, C3; C3, C4, C5
T	0.00°	Table	Meet C3, C4, C6, C7

This outline, and the title, should be every obvious to any geek as to what I'm referencing in the design. I've been trying to get this outline to work for a very long time, and it turns out that all I needed to do was switch pavilion styles. Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I'm going to do a suite of peridot, synthetic cobalt spinel, synthetic ruby, amethyst, and citrine.

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